Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宜言書

As a below named inventor, I hereby declare that: 下つの氏名の発明者として、私は以下の通り宣言します。 私の住所、私書箔、国籍は下記の私の氏名の後に記載され My residence, post office address and citizenship are as た通りです。 stated next to my name. 下記の名称の発明に関して請求範囲に記載され、特許出版 I believe I am the original, first and sole inventor (if only している発明内容について、私が最初かつ唯一の発明者(下 one name is listed below) or an original, first and joint 記の氏名が一つの場合)もしくは最初かつ共同発明者である inventor (if plural names are listed below) of the subject と(下記の名称が複数の場合)信じています。 matter which is claimed and for which a patent is sought on the invention entitled SOLID ELECTROLYTIC CAPACITOR AND METHOD FOR PRODUCING THE SAME the specification of which is attached hereto unless the 上記光明の明細古(下記の欄でx月がついていない場合は、 following box is checked: 本書に添付)は、 Ø was filed on January 20, 1999 __月__月に提出され、米国出願番号または特許協定条約 as United States Application Number or PCT 国際出顕番号を____とし、 International Application Number (鉄当する場合) _____ に訂正されました。 09/233,451 and was amended on (if applicable)

私は、特許請求範囲を含む上記訂正後の明細書を検討し、 内容を理解していることをここに表明します。 I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されると おり、特許資格の有無について重要な情報を開示する義務が あることを認めます。 I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Japanese Language Declaration

日本語宜言!

私は、米国法典第35編119条(a)-(d) 項又は365条(b) 項に基さ下記の、米国以外の国の少なくとも一ヵ国を指定している特許協力条約365(a) 項に基ずく国際出版、又は外国での特許出版もしくは発明者証の出版についての外国優先権をここに主張するとともに、優先権を主張している。本出版の前に出版された特許または発明者証の外国出版を以下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior foreign application(s) 外国での先行出順			Priority Not Claimed 任先権主張なし
	Y	28/11/1997	<u></u>
H09-329086	Japan	(Day/Month/Year Filed)	
(Number)	(Country) (其名)	(出版年月日)	
(番号)	(HA)	••	_
	Tomon	28/11/1997	
H09-329087	Japan (Country)	(Day/Month/Year Filed)	
(Number)	(Country) (国名)	` (出版年月日)	
(新分)	(pass)		=
	Ionan	12/12/1997	Ø
H09-343254	Japan (Country)	(Day/Month/Year Filed)	
(Number) (番号)	(Country) (国名)	(出版年月日)	
私上、第35編米国 国特許出版規定に記載者	去典119条 (e) 項に基いて下記の米 された権利をここに主張いたします。	I hereby claim the benefit un 119(e) of any United Stat- below.	nder Title 35, United States Code, § es provisional application(s) listed
60 H O 6 O 6 T	November 4, 1998	60/106,968	November 4, 1998
60/106,967 (Application No.)	(Filing Date)	(Application No.)	(Filing Date)
(出版番号)	(出題日)	(出數番号)	(出題日)
国特許出版に記載され 協力条約365条(c) た、本出版の各請求範 第1項又は特許協力条 許出版に関示されてい 以降で本出版書の日本 での期間中に入手され	央第35編120条に基いて下記の米 た権利、又は米国を指定している特許 に基ずく権利をここに主張します。ま 田の内容が米国法典第35編112条 約で規定された方法で先行する米国特 ない限り、その先行米国出版提出日日 国内または特許協力条約国際提出日ま た、連邦規則法典第37編1条56項 の有無に関する重要な情報について開 環しています。	120 of any United States ar International application de below and, insofar as the states application is not disclose International application in paragraph of Title 35, United the duty to disclose information as defined in Title 37, C	nder Title 35, United States Code, § oplication(s), or § 365(c) of any PCT esignating the United States, listed abject matter of each of the claims of sed in the prior United States or PCT in the manner provided by the firsted States Code, § 112, I acknowledge atton which is material to patentability ode of Federal Regulations, § 1.50 between the filing date of the prior all or PCT International filing date of
(Application No.) (出版番号)	(Filing Date) (出版日)	(Status)(patented, pending, (現況:特許許可済、保	abandoned) 属中、放棄済)

私は、私自身の知識に基ずいて本宣古書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基ずき、罰金または拘禁、もしくはその同方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration 日本語宣言1

委化状: 私は下記の発明者として、本出順に関する一切の 手続きを米特許高標局に対して挙行する弁理士または代理人 として、下記の者を指名いたします。 (弁護士、または代理 人の氏名及び登録番号を明記のこと) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecut this application and transact all business in the Patent an Trademark Office connected therewith: (list name an registration number)

John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603, and George F. Lehniek Reg. No. 36,359

香類送付先	Send Correspondence to: SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213		
直接電話連絡先:(名前及び電話番号)	Direct Telephone Calls to:		
	(202)293-7060		
唯一または第一発明者名	Full name of sole or first inventor Hiroshi KONUMA		
発明者の署名 月付	Inventor's signature Date Hiroshi Konuma 416/99		
住所	Residence Chiba, JAPAN		
闰春	Citizenship Japanese		
私杏箱	Post office address: c/o HD Plant, SHOWA DENKO, K.K., 5-1, Yawata Kaigan-dori, Ichihara-shi, Chiba 290-00 JAPAN		
第二共阿発明者	Full name of second joint inventor, if any Koro SHIRANE		
第二共同発明者 日付	Second inventor's signature Date Koro Shirane 6/16/99		
住所	Residence Chiba IAPAN		

(第三以降の共同発明者についても同様に記載し、署名をすること)

国籍

私書籍

(Supply similar information and signature for third an subsequent joint inventors.)

c/o Central Research Laboratory, SHOWA DENKO, K.K.,

1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi,

Citizenship Japanese

Post Office Address

Chiba 267-0056 JAPAN

Japanese Language Declaration

日本語宜言1

(三の共国発明者の氏名(鉄当する場合)	Full name of third joint inventor, if any Ryuji MONDEN
1第三発明者の著名 目付	Third inventor's signature Date Tyuji Monden 41./99
EFK	Residence Nagano, JAPAN
1 FF	Citizenship Japanese
で使の宛先	Post office address c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN
R四の共国発明者の氏名 (拡出する場合)	Full name of fourth joint inventor, if any
国第四発明者の署名 日付	Atsushi SAKAI Fourth inventor's signature Otsushi Sakai 6/11/99
主所	Residence Nagano, JAPAN
	Citizenship Japanese
監接の宛失	Post office address c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN
第五の共岡発明者の氏名 (該当する場合) 国第五発明者の著名 日付	Full name of fifth joint inventor, if any Yuji FURUTA
住所	Fifth inventor's signature Date Yusi Furua 6/11/99
立 終	Residence Nagano, JAPAN
郵便の宛先	Citizenship Japanese
	Post office address c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN
第六の共同発明者の氏名(鉄当する場合)	
国第六発明者の署名 日付	Full name of sixth joint inventor, if any Katsuhiko YAMAZAKI
生野	Sixth inventor's signature **Hatsuhiko Yamazaki 6/11/2 Residence
五 持	Residence Nagano, JAPAN
郵便の宛先	Citizenship Japanese
	Post office address c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaz Omachi, Omachi-shi, Nagano 398-0002 JAPAN

Japanese Language Declaration 日本語宣言1

七の共国発明者の氏名(は当する場合)		Full name of seventh joint inventor, if any Toru SAWAGUCHI
第七発明者の著名	日付	Seventh inventor's signature 6/11/49Date Toru Sawa guchu
ERT •		Residence Nagano, JAPAN
I f6		Citizenship Japanese
6便の宛先		Post office address c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN
前人の共国発明者の氏名 (鉄当する場合)		Full name of eighth joint inventor, if any Hideko OHATA
国第八発明者の署名	日付	Eighth inventor's signature 6/15/99 Date Rideki Ohata
生所		Residence Chiba, JAPAN
© #		Citizenship Japanese
製便の宛先 系九の共 囚 発明者の氏名 (該当する場合)		Post office address c/o Central Research Laboratory, SHOWA DENKO, K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN
岡第九晃明者の署名	日付	Full name of Ninth joint inventor, if any Yoshiaki IKENOUE
住所		Ninth inventor's signature Date D
四種		Residence Tokyo, JAPAN
郵便の宛先		Citizenship Japanese
第十の共同発明者の氏名(鉄当する場合)		Post office address c/o SHOWA DENKO, K.K., 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, JAPAN
周第十発明者の署名	日付	
住所		Full name of tenth joint inventor, if any
四條		Tenth inventor's signature Dat
		Residence
郵便の宛先		Citizenship
		Post office address

Page 5 of 6

Japanese Language Declaration 日本語宣言!

Supplemental Priority Data Sheet

Number (番号)	Country (国名)	Day/Month/Year l (出版年月日)	Filed)	Priority Not Claimed	
H10-70908 H10-112552	Japan Japan	19/03/1998 22/04/1998		0000000000000	
Additional provisional application	ons:		4		
Application Number (出觀番号)			Filing Date (出版日)		
60/106,969		November 4, 1998			
Additional U.S. applications:					
Application Number (出版番号)	F	Filing Date (出題日)	Status (pater (現況:特別	ited, pending, abandoned) 作许可济、保属中、放棄済)	
	•				

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。	As a below named inventor, I nereby declare that:		
私の住所、私書箱、国籍は下記の私の氏名の後に記載され と通りです。	My residence, post office address and citizenship are as stated next to my name,		
下記の名称の発明に関して請求範囲に記載され、特許出 順している発明内容について、私が最初かつ唯一の発明者 (下記の氏名が一つの場合)もしくは最初かつ共同発明者であ 5と(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled		
	SOLID ELECTROLYTIC CAPACITOR AND		
1.0 min	METHOD FOR PRODUCING THE SAME		
上記発明の明細書(下記の欄でX印がついていない場合 本書に添付)は、	the specification of which is attached hereto unless the following box is checked:		
□月日に提出され、米国出願番号または特許協定 条約	was filed onas United States Application Number or PCT International Application Number		
国際出願番号をとし、 (該当する場合) に訂正されまし	and was amended on		
t.	(if applicable).		
私は、特許請求範囲を含む上記訂正後の明細書を検討 し、内容を理解していることをここに表明します。	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.		
私は、連邦規則法典第37編第1条56項に定義されるとおり、 特許資格の有無について重要な情報を開示する義務があることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.		

Juranese Language Declaratio.

(日本語宣言書)

私は、米国法典第35編第119条(a)-(d)項叉は第365条(b) 項に基き下記の、米国以外の国の少なくとも一カ国を指定して いる特許協力条約第365条(8)項に基づく国際出願、又は外国 での特許出頭もしくは発明者証の出頭についての外国優先権 をここに主要するとともに、優先権を主張している本出願の前に 出願された特許または発明者証の外国出願を以下に、枠内を マークすることで、示しています。

Prior Foreign Applications

(Application No.)

(出願番号)

(Application No.)

(出願番号)

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patient or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

Prior Foreign Applications 外国での先行出順			優先権主張なし
H09-329086	Japan	28/11/1997	5
(Number) (番号)	(Country) (国名)	(Dry/Month/Year Filed) (出願年月日)) <u>\</u>
H09-329087	Japan	28/11/1997	· 🖂
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願年月日) 🖺
H09-343254	<u> Japan</u>	12/12/1997	
(Number) (番号)	 (Country) (国名)	(Day/Month/Year Filed) (出願年月日) <u> </u>
H10-70908	Japan	19/03/1998	
(Mumber) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願年月日) . 🗆
HI 0-112552	Japan	22/04/1998	_
(Mushas) (来早)	(Country) (国名)	(Day/Worth/Year Riled) (出類年日日	or Mailed States Code
私性。第35篇米国法典119条(e) 3	に基づいて下記の米国特許出願	I hereby claim the benefit under Title Section 119(e) of any United States	provisional application(s)
規定に記載された権利をここに主要的	します。	fictori kolow	
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		60/106,967	04/NOVEMBER/1998
[= ACCC.		60/106,968	04/NOVEMBER/1998
(Application No.)	(Filing Date)		04/NOVEMBER/1998
(出版番号)	(出順日)	(Anolication No.)	(Filing Date)
が井 下むの米国法典第35	編第120条に基づいて下記の	I haraby claim the henefit of Title	35, United States Code
米田 株 非出版に記載された権利	8、又は米国を指定している特	Section 120 of any United States at any PCT International application des	oblication(s), or 303(c) or
此位五条約第365条(c)に基づ	く権利をここに主張します。又、	licted below and insofar as the sub	iect matter or each or use
本出版の各請求範囲の内容が項又は特許協力条約で規定さ	不因伝列別の報用112不用1	elaime of this application is not dis	closed in the prior Dillieu
- 出来に無奈されていない限り、1	6の先行米国出版書提出日以	States or PCT International applicati	ou in the watklet browden
- 成元太州国本の日本国内又は	1.特許協力条約因際出願提出	by the first paragraph of Title 35, U 112, I acknowledge the duty t	o disclose arry malaria
日までの期間中に入手された、	連邦規則法典第37職第1余第 5年に観子3千萬か佐銀につい	information which is material to nate	AUTOPHIEN SE CHARLES IN THE
56項で定義された特許安格のイ て開示義務があることを認識して	1 点に向する風火な情味だった。 「い生士」	27 Code of Federal Regulations, S	ection 1.56 Milici Decemb
て場が 萩奈かりひことをわぶし、		available between the filing date of t	he prior application and the
		national or PCT International filing d	are or may enhancement.

私は、私自身の知識に基づいて本宣言中で私が行う表明が 真実であり、かつ私の入手した情報と私の信ずるところに基づく 表明 が全て真実であると信じていること、さらに故意になされた 虚偽の表明及びそれと同等の行為は米国法典第18編第1001 条に基づき、罰金または拘禁、もしくはその両方により処罰され ること、そしてそのような故意による虚偽の声明を行えば、出願し た、又は既に許可された特許の有効性が失われることを認識 し、よってここに上記のごとく宣誓を致します。

(Filing Date)

(出顧日)

(Filing Date)

(出顧日)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、保属中、放棄済)

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、保属中、放棄済)

Japanese Language Declaration

(日本語宣言書)

委任状: 私は、下配の発明者として、本出願に関する一切の 手続きを米国特許商標局に対して遂行する弁理士又は代理 人として、下配のものを指名致します。(弁護士、又は代理人の 氏名及び登録番号を明記のこと) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 22,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 30,565; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,765

書類送付先:	Send Correspondence to:			
	SUGHRUE, M	ION, ZINN,	MACPEAK & SEAS,	PLLC
To plane			7., Washington, D.C. 2	
直通電話連絡先: (名	3.称及び電話番号)	O	irect Telephone Calls to:	(name and telephone number)
		(202)20	93-7060	
[.L]		(202)20	70-1000	
唯一又は第一発明者			Full name of sole or first in	

唯一又は第一発明者名	Full name of sole or first inventor
	Hiroshi KONUMA
発明者の署名 日付	Inventor's signature Date
	Hiroshi Komema 12/18/98
华所	Residence Chiba, JAPAN
国籍	Citizenship Japanese
郵便の宛先	Post office address
	c/o HD Plant, SHOWA DENKO K.K., 5-1, Yawata Kaigan-dori, Ichihara-shi, Chiba 290-0067 JAPAN
第二共同発明者名(該当する場合)	Full name of second joint inventor, if any
	Koro SHIRANE
第二発明者の署名 日付	Second inventor's signature Date
	Koro Shirane 12/18/98
住所	Residence Chiba, JAPAN
国籍	Citizenship Japanese
郵便の宛先	Post office address
	c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN

(第三以降の共同発明者についても同様に記載し、署名をするこ (Supply similar information and signature for third and subsequent joint inventors.)

Japanese Language Declaration (日本語宣誓書)

第三共同発明者名(該当する場合)		Full name of third inventor, if any
		Ryuji MONDEN
第三発明者の署名	日付	Inventor's signature Date
		Ryuji Monden 12/15/98
住所		Residence
		Nagano, JAPAN
国籍		Citizenship
E TH		Japanese
郵便の宛先		Post office address
野児の死先		c/o OMACHI Works, SHOWA DENKO K.K.,
		6850, Oaza Omachi, Omachi-shi, Nagano
		398-0002 JAPAN
第四共同発明者名(該当する場合)		Full name of fourth inventor, if any
		Atsushi SAKAI
第四発明者の署名	日付	Inventor's signature Date
-== <u>-</u>		Atsushi Sakat 12/15/98
作 所		Residence
Tabur Land		Nagano, JAPAN
国籍		Citizenship
and the state of t		Japanese
郵便の宛先		Post office address
4		c/o OMACHI Works, SHOWA DENKO K.K.,
ge spilit		6850, Oaza Omachi, Omachi-shi, Nagano
F 2 das;		398-0002 JAPAN
		I Cull game of fifth important if any
第五共同発明者名(該当する場合)(1)		Full name of fifth inventor, if any Y11 i FIRITY
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	77.44	Yuji FURUTA
票五共同発明者名(該当する場合) 第五発明者の署名	日付	Yuji FURUTA Inventor's signature Date
第五発明者の署名	日付	Inventor's signature Date Yuji Furuta 12/15/98
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	日付	Inventor's signature Date Yuji FURUTA Date 12/15/98 Residence
第五発明者の署名 住所	日付	Inventor's signature Date 12/15/98 Residence Nagano, JAPAN
第五発明者の署名	日付	Inventor's signature Date 12/15/98 Residence Nagano, JAPAN Citizenship
第五発明者の署名 住所	日付	Inventor's signature Date 12/15/98 Residence Nagano, JAPAN
第五発明者の署名 住所	日付	Inventor's signature Date 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address
第五発明者の署名 住所 国籍	日付	Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address C/O OMACHI Works, SHOWA DENKO K.K.,
第五発明者の署名 住所 国籍	日付	Inventor's signature Date 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address
第五発明者の署名 住所 国籍	日付	Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano
第五発明者の署名 住所 国籍	日付	Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any
第五発明者の署名 住所 国籍 郵便の宛先	日付	Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN
第五発明者の署名 住所 国籍 郵便の宛先	日付	Inventor's signature Date Juji FURUTA Inventor's signature Date J2/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合)		Inventor's signature Date Juji FURUTA Inventor's signature Date J2/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合)		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98 Residence
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名 住所		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98 Residence Nagano, JAPAN
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名 住所		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名 住所		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K.,
第五発明者の署名 住所 国籍 郵便の宛先 第六共同発明者名(該当する場合) 第六発明者の署名 住所		Inventor's signature Date Yuji FURUTA Inventor's signature Date Yuji Furuta 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN Full name of sixth inventor, if any Katsuhiko YAMAZAKI Inventor's signature Date Katsuhiko Yamazaki 12/15/98 Residence Nagano, JAPAN Citizenship Japanese Post office address

Japanese Language Declaration (日本語宣誓書)

マー・マー・マー・マー・マー・マー・マー・マー・マー・マー・マー・マー・マー・マ	Full name of seventh inventor, if any
七共同発明者名(該当する場合)	Hideki OHATA
七発明者の署名 日付	Inventor's signature Ohata Date 12/21/98
所	Residence Chiba, JAPAN
籍 .	Citizenship Japanese
便の宛先	Post office address c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN
5八共同発明者名(該当する場合)	Full name of eighth inventor, if any Yoshiaki IKENOUE
育八発明者の署名 日付	Inventor's signature Date Johnac' Spenow 12/10/98
主所	Residence Tokyo, JAPAN
国籍	Citizenship Japanese
郵便の宛先	Post office address c/o SHOWA DENKO K.K., 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 JAPAN
第九共同発明者名(該当する場合)	Full name of ninth inventor, if any
第九発明者の署名 日付	Inventor's signature Date
住所	Residence
国籍	Citizenship
郵便の宛先	Post office address
34C-7767	
第十共同発明者名(該当する場合)	Full name of tenth inventor, if any
第十発明者の署名 日付	Inventor's signature Date
住所	Residence
国籍	Citizenship
郵便の宛先	
	l .

Assignment

Whereas, I, Toru SAWAGUCHI of c/o OMACHI Works, SHOWA DENKO, K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, hereinafter called assignor, has invented along with Hiroshi KONUMA, Koro SHIRANE, Ryuji MONDEN, Atsushi SAKAI, Yuji FURUTA, Katsuhiko YAMAZAKI, Hideko OHATA and Yoshiaki IKENOUE, certain improvements in SOLID ELECTROLYTIC CAPACITOR AND METHOD FOR PRODUCING THE SAME for which an application for Letters Patent of the United States of America has been filed, U.S. Ser. No. 09/233,541, filed January 20, 1999; and

Whereas, SHOWA DENKO K.K., 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I, the above named assignor, hereby sells, assigns and transfers to the above named assignee, its successors and assigns, my entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

FILED

JUL - 6 1999

Date:	6/11/99	Torn Sawazuchi VToru SAWAGUCHI
	S	/Toru SAWAGUCHI
Date:		
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(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

Assignment

Whereas, I/We, Hiroshi KONUMA, of c/o HD Plant, SHOWA DENKO K.K., 5-1, Yawata Kaigan-dori, Ichihara-shi, Chiba 290-0067 JAPAN, Koro SHIRANE, of c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN, Ryuji MONDEN, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Atsushi SAKAI, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Yuji FURUTA, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Katsuhiko YAMAZAKI, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Hideki OHATA, of c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN, and Yoshiaki IKENOUE, of c/o SHOWA DENKO K.K., 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 JAPAN for all of these eight inventors hereinafter called assignor(s), have invented certain improvements in

SOLID ELECTROLYTIC CAPACITOR AND METHOD FOR PRODUCING THE SAME

and executed an application for Letters Patent of the United States of America therefor on

December 18, 15, 21 and 10, 1998

Whereas, SHOWA DENKO K.K., of 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States Patents to be obtained therefor;

Date: $\frac{12}{21}/98$

Date:

12/10/98

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN,

MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number ______, filed _ the filing date and application number of said application when known. s/ Héroshi Konumao Hiroshi KONUMA 12/18/98 Date: Koro Shirane
Koro SHIRANE 12/18/98 Date: Ryuji Monden
Ryuji MONDEN 12/15/98 Date: atsushi Sakat 12/15/98 Date: Atsushi SAKAI 12/15/98 Date: 12/15/98 <u>Katsuhiko Yamazaki</u> Katsuhiko YAMAZAKI

Hideki Ohata
Hideki OHATA

Joshvals' Mcenone